Figure 3-36
Site-Wide
Soil Sampling Results

Napthalene

PRG = 0.62 mg/kg

Riverside Industrial Park Superfund Site
29 Riverside Avenue
City of Newark, New Jersey

N

Legend

RIFS Soil Sampling Results (mg/kg)

- Result Not Detected (green)
- Detection Below ARAR (yellow)
- Detection Exceeds ARAR (blue)
- Buildings (Survey)
- Lot Boundary

Notes:

1. Locations with multiple results represent multiple sample depth intervals at that location.

2. Surface samples taken < 2', subsurface samples taken ≥ 2' based on initial interval depth.

3. Field duplicate results not plotted.

4. See results tables for qualifier definitions.

0 100 200

Feet

1 inch = 125 feet

Project #: 0013620
Map Created: June 2020

Figure 3-37
Site-Wide Soil Sampling Results

Trichloroethene
PRG = 0.02 mg/kg

Riverside Industrial Park Superfund Site
29 Riverside Avenue
City of Newark, New Jersey

N

Legend

RIFS Soil Sampling Results (mg/kg)

- Result Not Detected (green)
- Detection Below ARAR (yellow)
- Detection Exceeds ARAR (blue)
- Buildings (Survey)
- Lot Boundary

Notes:

1. Locations with multiple results represent multiple sample depth intervals at that location.
2. Surface samples taken < 2', subsurface samples taken ≥ 2' based on initial interval depth.
3. Field duplicate results not plotted.
4. See results tables for qualifier definitions.

0 100 200

Feet
1 inch = 125 feet

Project #: 0013620
Map Created: June 2020

JOB NO.: 0013620 DATE: June, 2020 1 inch = 100 feet SHEET: OF FIGURE 5-4	RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE Newark, New Jersey	Soil Alternative 5 - Institutional Controls, In-Situ Remediation, Engineering Controls and NAPL Removal	© 2020 Microsoft Corporation © 2020 Maxar ©CNES (2020) Distribution Airbus DS Spatial Reference Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet	N 0 25 50 100 Feet Third Party GIS Disclaimer: These maps are for informational and graphical purposes only and should not be relied upon by third parties for any legal purposes. Any reliance upon the maps or data contained herein shall be at the viewers' sole risk.

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JOB NO.: 0013620 DATE: June, 2020 1 inch = 100 feet SHEET: OF FIGURE 5-5	RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE Newark, New Jersey	Soil Alternative 6 - Institutional Controls, Removal and Off-Site Disposal and NAPL Removal	© 2020 Microsoft Corporation © 2020 Maxar ©CNES (2020) Distribution Airbus DS Spatial Reference Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet	N 0 25 50 100 Feet Third Party GIS Disclaimer: This map is for informative and graphical purposes only and should not be relied upon by third parties for any legal purposes. Any reliance upon the map or data contained herein shall be at the reader's sole risk.

JOB NO.: 0013620
DATE: June, 2020
1 inch = 100 feet
SHEET: OF

FIGURE 5-6

RIVERSIDE INDUSTRIAL PARK
SUPERFUND SITE

Newark, New Jersey

Soil Alternative 7 - Institutional Controls, Ex-Situ Treatment and On-Site Placement, Engineering Controls and NAPL Removal

Spatial Reference
Name: NAD 1983 StatePlane New Jersey
FIPS 2900 Feet

N

0 25 50 100 Feet

(Organics, Shallow)

(Metals, Shallow)

(Organics, Deep)

(Metals, Deep)

Remove this panel. There is no Metal ARAR exceedance in the deep groundwater

Legend

- Monitoring Wells
- Extraction Well (Organics Only)
- Extraction Well (Organics and Metals)
- Sump Pump
- Site Boundary
- Site Lots
- Underground Storage Tanks
- Footprint of Engineering Control

JOB NO.:	0013620
DATE:	June, 2020
1 inch =	160 feet
SHEET:	OF

Figure 5-7

RIVERSIDE INDUSTRIAL PARK
SUPERFUND SITE

Newark, New Jersey

Groundwater Alternative 2 -
Institutional Controls, Site Containment and Pump and Treat

Spatial Reference
Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet

0 40 80 160 Feet

(Organics, Shallow)

(Metals, Shallow)

(Organics, Deep)

(Metals, Deep)

Remove this panel. There is no Metal ARAR exceedance in the deep groundwater

Legend

- Monitoring Wells
- Sump Pump
- Site Boundary
- Site Lots
- Underground Storage Tanks
- Institutional Controls
- Alternate Metals In-Situ Treatment Area (Includes Pb, Se; Excludes As)
- Metals In-Situ Treatment Area (Includes all ARAR Exceedances)
- SVOCs In-Situ Treatment Area
- VOCs In-Situ Treatment

JOB NO.:	0013620
DATE:	June, 2020
1 inch =	160 feet
SHEET:	OF

Figure 5-8

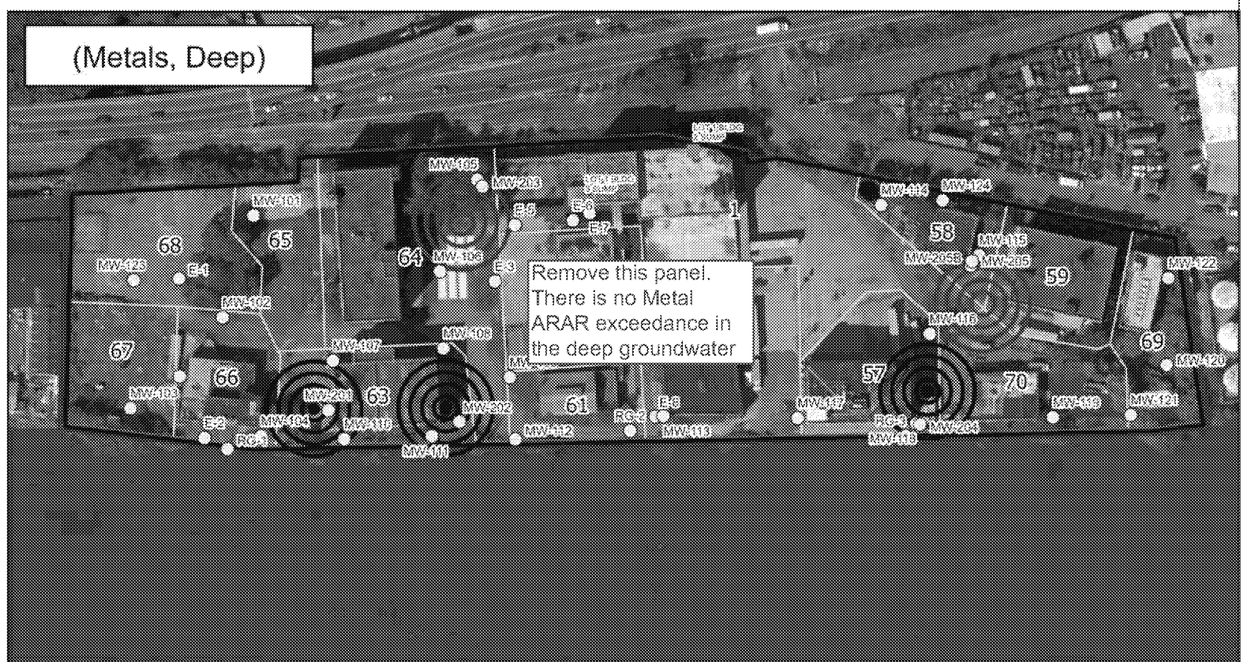
RIVERSIDE INDUSTRIAL PARK
SUPERFUND SITE

Newark, New Jersey

Groundwater Alternative 3 - Institutional Controls and In-Situ Remediation

Spatial Reference
Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet

0 40 80 160 Feet



JOB NO.: 0013620 DATE: June, 2020 1 inch = 160 feet SHEET: OF Figure 5-9	RIVERSIDE INDUSTRIAL PARK SUPERFUND SITE Newark, New Jersey	Groundwater Alternative 4 - Institutional Controls, Pump and Treat, and Targeted Periodic In-Situ Site Remediation	 Spatial Reference Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet	N 0 40 80 160 Feet	

Legend

- Soil Boring
- Underground Storage Tanks
- Site Boundary
- Site Lots
- Air Monitoring or Engineering Controls (Existing Occupied Buildings)
- Institutional Controls

Shallow Groundwater Vapor Intrusion Screening Level Exceedance. Existing or future buildings within 100-foot radius from monitoring well will warrant further investigation for potential vapor intrusion or institutional controls. Areas are based on current data. Boundary would be delineated from the edge of the plume, per NJDEP guidance.

Please add "and site-wide engineering controls for future buildings"

JOB NO.:	0013620
DATE:	June, 2020
1 inch =	100 feet
SHEET:	OF

FIGURE 5-13

RIVERSIDE INDUSTRIAL PARK
SUPERFUND SITE

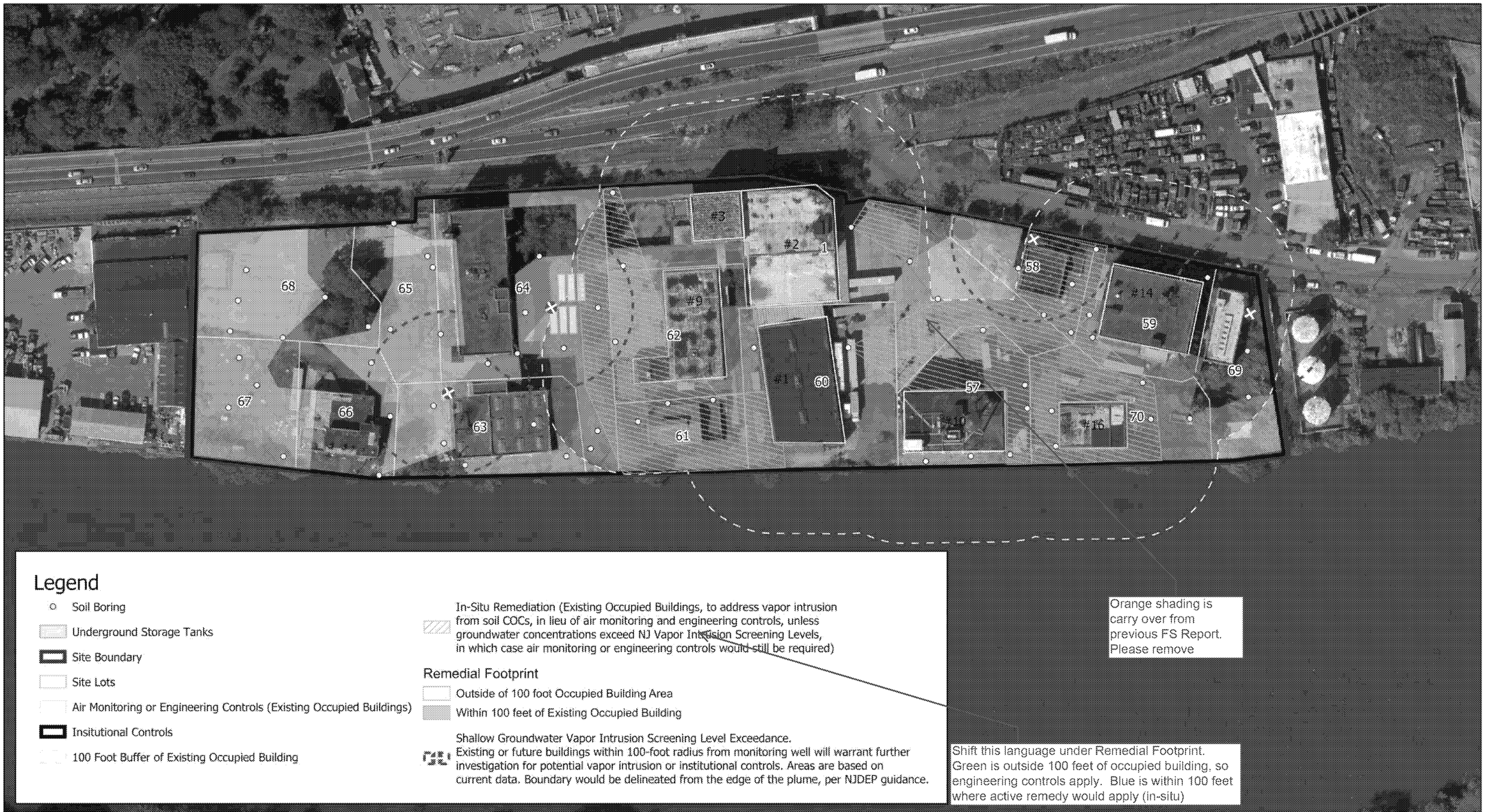
Newark, New Jersey

Soil Gas Alternative 2 - Institutional Controls, Air Monitoring or Engineering Controls (Existing Occupied Buildings) and Site-Wide Engineering Controls (Future Buildings)

Spatial Reference
Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet

N

0 250 500 1,000 Feet



Legend

- Soil Boring
- Underground Storage Tanks
- Site Boundary
- Site Lots
- Air Monitoring or Engineering Controls (Existing Occupied Buildings)
- Insitutional Controls
- 100 Foot Buffer of Existing Occupied Building
- In-Situ Remediation (Existing Occupied Buildings, to address vapor intrusion from soil COCs, in lieu of air monitoring and engineering controls, unless groundwater concentrations exceed NJ Vapor Intrusion Screening Levels, in which case air monitoring or engineering controls would still be required)

Remedial Footprint

- Outside of 100 foot Occupied Building Area
- Within 100 feet of Existing Occupied Building
- Shallow Groundwater Vapor Intrusion Screening Level Exceedance. Existing or future buildings within 100-foot radius from monitoring well will warrant further investigation for potential vapor intrusion or institutional controls. Areas are based on current data. Boundary would be delineated from the edge of the plume, per NJDEP guidance.

Orange shading is carry over from previous FS Report. Please remove

Shift this language under Remedial Footprint. Green is outside 100 feet of occupied building, so engineering controls apply. Blue is within 100 feet where active remedy would apply (in-situ)

JOB NO.:	0013620
DATE:	June, 2020
1 inch =	100 feet
SHEET:	OF

FIGURE 5-14

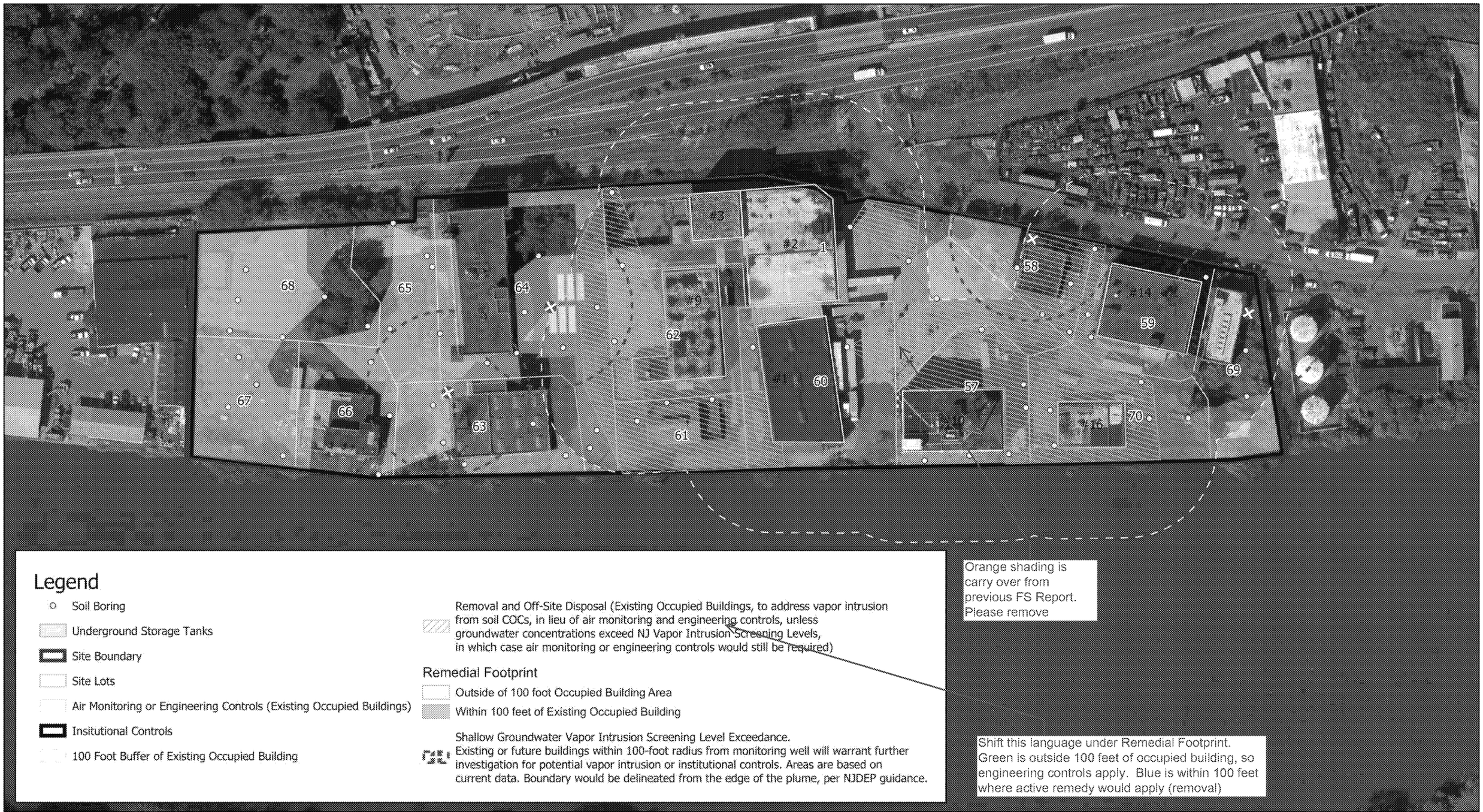
RIVERSIDE INDUSTRIAL PARK
SUPERFUND SITE

Newark, New Jersey

Soil Gas Alternative 3 - Institutional Controls, Site-Wide Engineering Controls (Future Buildings), and In-Situ Remediation of Soil/Fill (existing occupied buildings)

Spatial Reference
Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet

0 25 50 100 Feet



Legend

- Soil Boring
- Underground Storage Tanks
- Site Boundary
- Site Lots
- Air Monitoring or Engineering Controls (Existing Occupied Buildings)
- Insitutional Controls
- 100 Foot Buffer of Existing Occupied Building
- Removal and Off-Site Disposal (Existing Occupied Buildings, to address vapor intrusion from soil COCs, in lieu of air monitoring and engineering controls, unless groundwater concentrations exceed NJ Vapor Intrusion Screening Levels, in which case air monitoring or engineering controls would still be required)

Remedial Footprint

- Outside of 100 foot Occupied Building Area
- Within 100 feet of Existing Occupied Building
- Shallow Groundwater Vapor Intrusion Screening Level Exceedance. Existing or future buildings within 100-foot radius from monitoring well will warrant further investigation for potential vapor intrusion or institutional controls. Areas are based on current data. Boundary would be delineated from the edge of the plume, per NJDEP guidance.

Orange shading is carry over from previous FS Report. Please remove

Shift this language under Remedial Footprint. Green is outside 100 feet of occupied building, so engineering controls apply. Blue is within 100 feet where active remedy would apply (removal)

JOB NO.:	0013620
DATE:	June, 2020
1 inch =	100 feet
SHEET:	OF

FIGURE 5-15

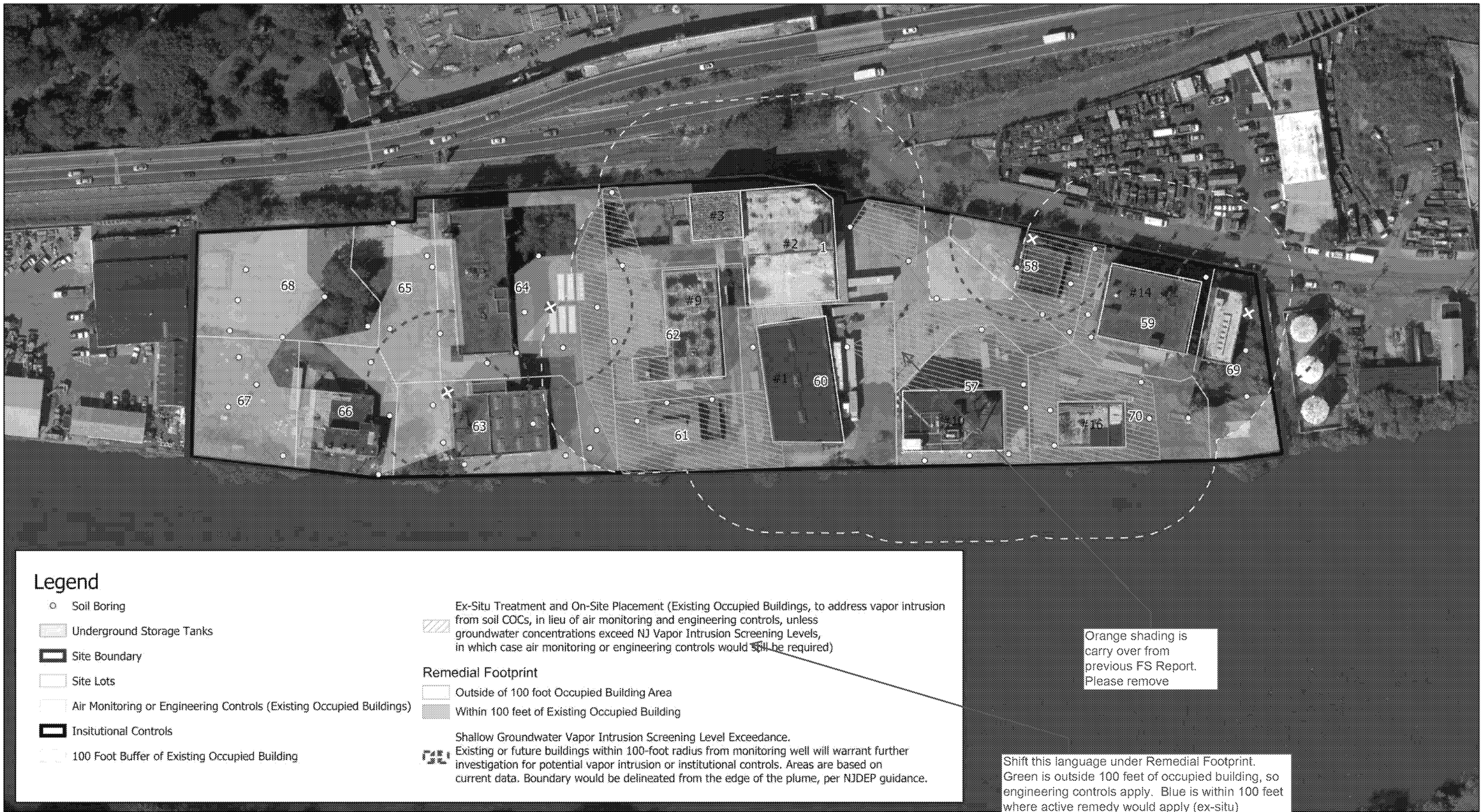
RIVERSIDE INDUSTRIAL PARK
SUPERFUND SITE

Newark, New Jersey

Soil Gas Alternative 4 - Institutional Controls, Site-Wide Engineering Controls (Future Buildings), and Air Monitoring or Engineering Controls and Removal and Off-Site Disposal of Soil/Fill (Existing Occupied Buildings)

Spatial Reference
Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet

0 25 50 100 Feet



Legend

- Soil Boring
- Underground Storage Tanks
- Site Boundary
- Site Lots
- Air Monitoring or Engineering Controls (Existing Occupied Buildings)
- Insitutional Controls
- 100 Foot Buffer of Existing Occupied Building

Ex-Situ Treatment and On-Site Placement (Existing Occupied Buildings, to address vapor intrusion from soil COCs, in lieu of air monitoring and engineering controls, unless groundwater concentrations exceed NJ Vapor Intrusion Screening Levels, in which case air monitoring or engineering controls would still be required)

Remedial Footprint

- Outside of 100 foot Occupied Building Area
- Within 100 feet of Existing Occupied Building

Shallow Groundwater Vapor Intrusion Screening Level Exceedance. Existing or future buildings within 100-foot radius from monitoring well will warrant further investigation for potential vapor intrusion or institutional controls. Areas are based on current data. Boundary would be delineated from the edge of the plume, per NJDEP guidance.

Orange shading is carry over from previous FS Report. Please remove

Shift this language under Remedial Footprint. Green is outside 100 feet of occupied building, so engineering controls apply. Blue is within 100 feet where active remedy would apply (ex-situ)

JOB NO.:	0013620
DATE:	June, 2020
1 inch =	100 feet
SHEET:	OF

FIGURE 5-16

RIVERSIDE INDUSTRIAL PARK
SUPERFUND SITE

Newark, New Jersey

Soil Gas Alternative 5 - Institutional Controls, Site-Wide Engineering Controls (Future Buildings), and Air Monitoring or Engineering Controls and Ex-Situ Treatment and On-Site Placement of Soil/Fill (Existing Occupied Buildings)

Spatial Reference
Name: NAD 1983 StatePlane New Jersey FIPS 2900 Feet

0 25 50 100 Feet